

Matthew Adelman

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Computer Skills

GitHub: <https://github.com/adelman>

Programming Languages: Java, SQL, Ruby, Python, SML, JavaScript.

Considerable Experience: Unix, Git, AWS, Ruby on Rails, Pega, L^AT_EX, GnuPlot, Mathematica, Photoshop.

Basic Experience: HTML5, CSS3, jQuery

EXPERIENCE

Fiksu DSP, Boston, MA

Team Lead

June 2015 - June 2017

Software Engineer

February 2014 - June 2015

- Managed team of five engineers in the development of a completely new client facing user interface.
- Received significant positive feedback from team members, compared to their experience working for others.
- Maintained multiple Amazon Redshift clusters, responsible for ingesting over 100 million events each day.
- Expanded the real-time bidding system to process over one million events per second, by integrating new exchanges and easing the construction of new campaigns.
- Built audience-processing infrastructure which currently evaluates over three billion user profiles each hour.
- Streamlined lookalike-processing for audiences.
- Tuned bid-adjustment and budget-allocation systems for optimization team to bid more precisely.
- Led the implementation of a new Aerospike Cluster, saving over \$200,000 annually.
- Additional \$10,000 saved per month through AWS cost cutting measures.

Accenture, Beverly, MA

June 2013 - January 2014

Software Engineer

- Worked with the Pega Business Process Management framework to develop large scale enterprise solutions, specifically user interfaces.
- Built solutions for clients ranging in size from small start-ups to the FBI and USDA.
- Balanced the every day needs of consultants with the overall needs of clients to move projects forward at the appropriate pace.

Wesleyan University Math / Computer Science Department, Middletown, CT

Fall 2011 - May 2013

Course Assistant and Tutor

- Hold bi-weekly tutoring sessions and grade problem sets for Computer Science 1, Algorithms and Complexity, and Functional Data Structures.

EDUCATION

Wesleyan University, Middletown, CT

Bachelor of Arts, May 2013

Majors: Computer Science and Mathematics, GPA: 3.60/4.00

Relevant Coursework: Advanced Functional Data Structures, Advanced and Experimental Algorithmics, Graduate Algebra, Algebraic Geometry, Mathematical Logic, and Design of Programming Languages

Interests

Photography, SCUBA Diving, Travel, Fire Arts, Rubik's Cubes and other twisty puzzles, Robotics, and Taiko